

Notice of Allowability

Application No.

10/002,183

Examiner

Gims S. Philippe

Applicant(s)

CHO ET AL.

Art Unit

2613

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed on September 26, 2005.
2. ☒ The allowed claim(s) is/are 1,2,4-22 and 24-33.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some* c) ☐ None of the:
- ☒ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- ☐ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
- ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
- ☒ Examiner's Amendment/Comment
- ☒ Examiner's Statement of Reasons for Allowance
- ☐ Other _____

Gims S Philippe
Primary Examiner
Art Unit: 2613

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with David Oren on October 28, 2005.

The application has been amended as follows:

In the claims:

Claim 1, line 7, "the" has been changed to -a--;

Claim 1, line 8, "the" has been changed to -a--;

Claim 6, line 9, "the" first occurrence has been changed to -a--;

Claim 6, line 9, "the" second occurrence has been changed to -a—;

Claim 7, line 7, after "motion vector" -in—has been inserted;

Claim 7, line 9 "the" first occurrence has been changed to -a--;

Claim 7, line 9, "the" second occurrence has been changed to -a—;

Allowable Subject Matter

2. After a further search and a thorough examination of the present application and in light of the Applicant's arguments and in light of the prior art

Art Unit: 2613

made of record, claims 1-2, 4-22, and 24-33 are found to be in condition for allowance.

Reasons for Allowance

3. The following is an Examiner's statement of reasons for the indication of allowable subject matter:

The claims are allowable over the prior art of record since the cited reference taken individually or in combination fails to particularly disclose a coding method comprising the steps of computing two-dimensional prediction error information by using a motion vector to be coded and the n ($n \geq 1$) number of neighboring motion vectors, wherein the prediction error information of minimum bitrate includes prediction error information of minimum bitrate applied to a factor 'X' and prediction error information of minimum bitrate applied to a factor 'Y', and coding the obtained prediction error information of the minimum bitrate and the mode information indicative of a neighboring motion vector.

It is noted that the closest prior art of record Kim et al. (US 6498810) teaches a similar coding method. However, Kim fails to particularly teach or suggest *"computing two-dimensional prediction error information by using a motion vector to be coded and the n ($n \geq 1$) number of neighboring motion vectors, wherein the prediction error information of minimum bitrate includes prediction error information of minimum bitrate applied to a factor 'X' and prediction error information of minimum bitrate applied to a factor 'Y', and coding the obtained prediction error information of*

Art Unit: 2613

the minimum bitrate and the mode information indicative of a neighboring motion vector” as specified in the claims.

Conclusion


Any comments considered necessary by applicant must be submitted no later than the payment of issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submission should be clearly labeled “Comments on Statement of Reasons for Allowance”.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Gims S. Philippe whose telephone number is (571) 272-7336. The examiner can normally be reached on M-F (10:30-7:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner’s supervisor, Dastouri S. Mehrdad can be reached on (571) 272-7418. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2613

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Gims S Philippe
Primary Examiner
Art Unit 2613

GSP

October 28, 2005